

SRX1500-SYS-JB-AC Datasheet

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Overview

SRX1500-SYS-JB-AC is the SRX1500 Services Gateway includes hardware (16GbE, 4x10GbE, 16G RAM, 16G Flash, 100G SSD, AC PSU, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching).

Quick Spec

Figure 1 shows the appearance of SRX1500-SYS-JB-AC.



Table 1 shows the quick spec.

Model	SRX1500-SYS-JB-AC
Onboard RJ-45 ports	12x1GbE
Onboard small form-factor pluggable (SFP) transceiver ports	4x1GbE
Onboard SFP+ ports	4x10GbE
Out-of-Band (OOB) management ports	1x1GbE
Dedicated high availability (HA) ports	1x1GbE (SFP)
System memory (RAM)	16 GB
Primary boot storage (mSATA)	16 GB
Secondary storage (SSD)	100 GB
Routing/firewall (IMIX packet size) Gbps	5
Routing/firewall (1,518 B packet size) Gbps	9
IPsec VPN (IMIX packet size) Gbps	1.3
IPsec VPN (1400 B packet size) in Gbps	4.5
Form factor	1 U

Product Details

Figure 2 shows the front panel of SRX1500-SYS-JB-AC.



The SRX1500 Services Gateway is a next-generation firewall and security services gateway offering outstanding protection, performance, scalability, availability, and security service integration. Designed for port density, a high-performance security services architecture, and seamless integration of networking and security in a single platform, the SRX1500 is best suited for client protection in enterprise campus, regional headquarters, or cloud-based security solutions with a focus on application visibility and control, intrusion prevention, and advanced threat protection. The SRX1500 is powered by Junos OS, the industry-leading operating system that keeps the world's largest and most mission-critical enterprise networks secure.

Table 2 shows the Features and Benefits.

Business Requirement	Feature/Solution	SRX1500 Advantages
High performance	Up to 9 Gbps of firewall performance	Best suited for enterprise campus and data center edge deployments Addresses future needs for scale and feature capacity
High quality end-user experience	Application visibility and control	Detects 3,500+ Layer 3-7 applications, including Web 2.0 Controls and prioritizes traffic based on application and user role Inspects and detects applications inside the SSL encrypted traffic
Threat protection	IPS, antivirus, anti-spam, enhanced web filtering, Juniper Advanced Threat Prevention Cloud, Encrypted Traffic Insights, Threat Intelligence Feeds, and Juniper ATP Appliance	Provides real-time updates to IPS signatures and protects against exploits Implements industry-leading antivirus and URL filtering Delivers open threat intelligence platform that integrates with third-party feeds Protects against zero-day attacks Restores visibility lost due to encryption, without the heavy burden of full TLS/SSL decryption
Professional-grade networking services	Routing, switching, and secure wire	Supports carrier-class advanced routing, quality of service (QoS), and services Offers flexible deployment modes (L1/L2/L3)
Highly secure	IPsec VPN, remote access/SSL VPN, secure boot	Provides high-performance IPsec VPN with dedicated crypto engine Simplifies large VPN deployments with auto VPN and group VPN Offers secure and flexible remote access SSL VPN with Juniper Secure Connect Verifies binaries that execute on the hardware with secure boot
High reliability	Chassis cluster, redundant power supply	Provides stateful configuration and session synchronization Supports active/active and active/backup deployment scenarios Offers highly available hardware with dual PSU, redundant fans
Easy to manage and scale	On-box GUI, Security Director	Enables centralized management for auto-provisioning, firewall policy management, Network Address Translation (NAT), and IPsec VPN deployments Includes simple easy-to-use on-box GUI for local management
Lower TCO	Junos OS	Integrates routing, switching, and security in a single device Reduces OpEx with Junos OS automation capabilities

Compare to Similar Items

Table 3 shows the comparison.

Model	SRX1500-SYS-JB-AC	SRX345-SYS-JB
Onboard RJ-45 ports	12x1GbE	8x1GbE
Onboard small form-factor pluggable (SFP) transceiver ports	4x1GbE	8x1GbE
Out-of-Band (OOB) management ports	1x1GbE	1x1GbE
System memory (RAM)	16 GB	4 GB
Secondary storage (SSD)	100 GB	8 GB
Form factor	1 U	1 U

Get More Information

Do you have any question about the SRX1500-SYS-JB-AC?

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Specification

SRX1500-SYS-JB-AC Specification	
Connectivity	
Total onboard ports	16x1GbE and 4x10GbE
Onboard RJ-45 ports	12x1GbE
Onboard small form-factor pluggable (SFP) transceiver ports	4x1GbE
Onboard SFP+ ports	4x10GbE
Out-of-Band (OOB) management ports	1x1GbE
Dedicated high availability (HA) ports	1x1GbE (SFP)
PIM slots	2
Console (RJ-45 + miniUSB)	1
USB 2.0 ports (type A)	1
Memory and Storage	
System memory (RAM)	16 GB
Primary boot storage (mSATA)	16 GB
Secondary storage (SSD)	100 GB
Dimensions and Power	
Form factor	1 U
Size (WxHxD)	17.5 x 1.75 x 18.2 in (44.45 x 4.44 x 46.22 cm)
Weight (device and PSU)	15.31 kg
Redundant PSU	1+1

Power supply	AC/DC (external)
Average power consumption	150 W
Average heat dissipation	512 BTU / hour
Maximum current consumption	2.5A (for AC PSU); 6.2A (for DC PSU)
Maximum inrush current	50A by 1 AC cycle
Acoustic noise level	66.5dBA
Airflow/cooling	Front to back
Operating temperature	32° to 104° F (0° to 40° C)
Nonoperating temperature	4° to 158° F (-20° to 70° C)
Operating humidity	10% to 90% noncondensing
Nonoperating humidity	5% to 95% noncondensing
Meantime between failures (MTBF)	9.78 years (85,787 hours)
FCC classification	Class A
RoHS compliance	RoHS 2
FIPS 140-2	Level 2 (Junos 19.2)
Performance and Scale	
Routing/firewall (IMIX packet size) Gbps2	5
Routing/firewall (1,518 B packet size) Gbps2	9
IPsec VPN (IMIX packet size) Gbps2	1.3
IPsec VPN (1400 B packet size) in Gbps2	4.5
Application visibility and control in Gbps3	7
Recommended IPS in Gbps3	4
Next-generation firewall in Gbps3	1.7
Route table size (RIB/FIB) (IPv4)	2 million / 1 million
Maximum concurrent sessions (IPv4 or IPv6)	2,000,000
Maximum security policies	16,000
Connections per second	90,000
NAT rules	8,000
Media access control (MAC) table size	64,000 (standalone mode)
IPsec VPN tunnels	2,000
Number of remote access/SSL VPN (concurrent) users	2,000
GRE tunnels	2,048
Maximum security zones	512
Maximum virtual router	512

Maximum VLANs	3,900
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